## 1.8 Results of Tests Gamma Locating Device (GLD) of Objects of Nuclear Industry

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## Abstract

The first prototype of GLD was successfully applied at liquidation of consequences of emergency at Chernobyl NPP in May, 1986.

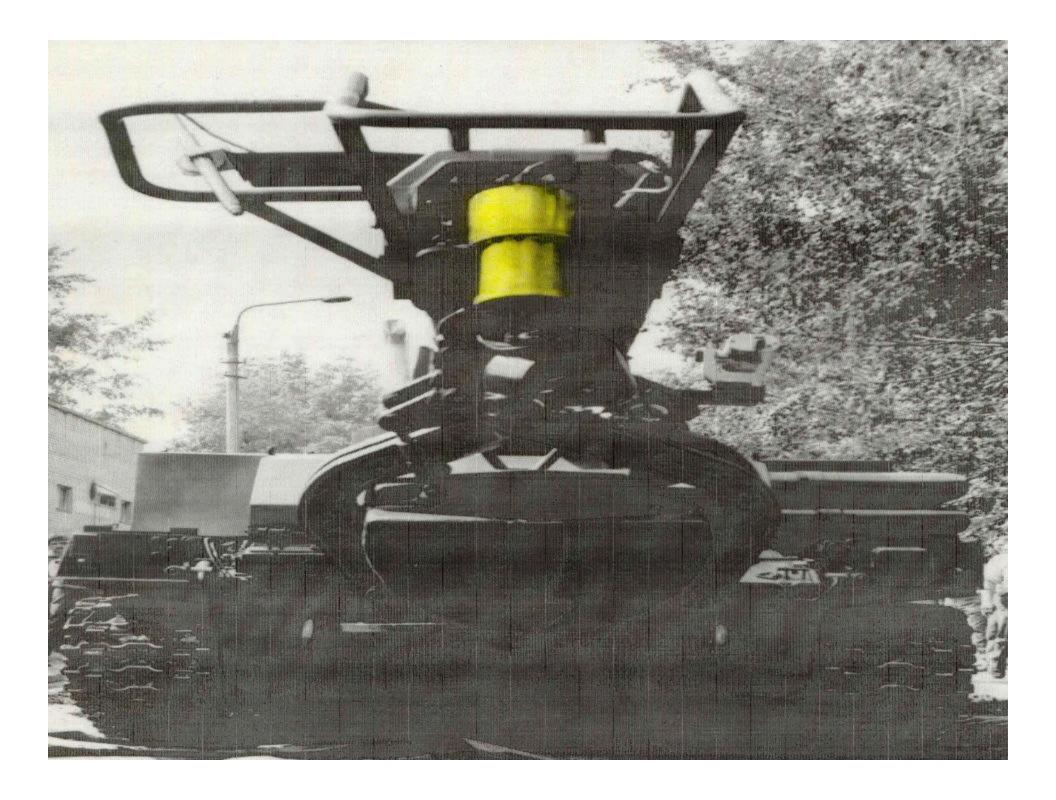
In 1996 the tests of Gamma-locator GLD-2 on the operational unit Smolensk NPP were conducted.

In July-August 2001 the Large Scale Demonstration of the Russian technology of detection and identification of radioactive sources on the objects TAN-616 and PBF (cubicle 13) of INEEL at Idaho with usage of GLD-3 and the American robot ATRV-Jr was conducted.

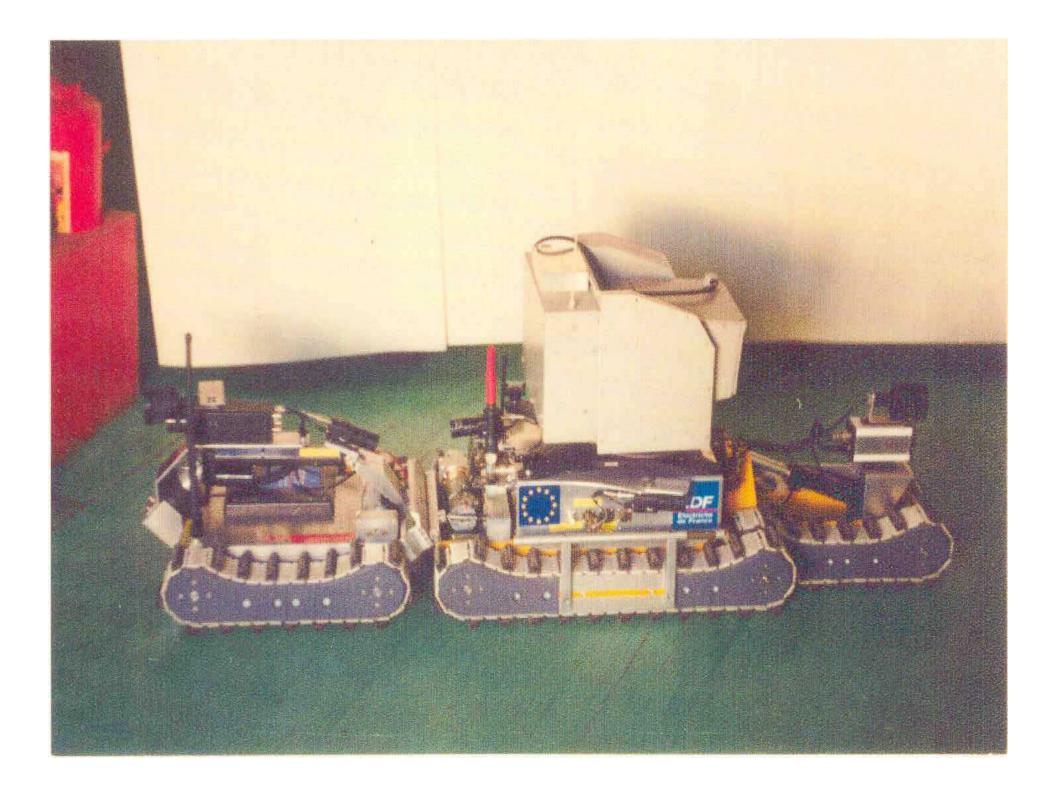
Comparison of the results which were obtained remotely by GLD-3 with direct measurements has shown a good conformity as location of detected "hot spots" and their isotopic composition. TV and radio communication during demonstration was steady.

On the meeting after demonstration of the American and Russian specialists was produced analysis of the results. It was marked that demonstration was successful and some proposals were discussed for commercialization of the project.

Now all these proposals are taken into account.





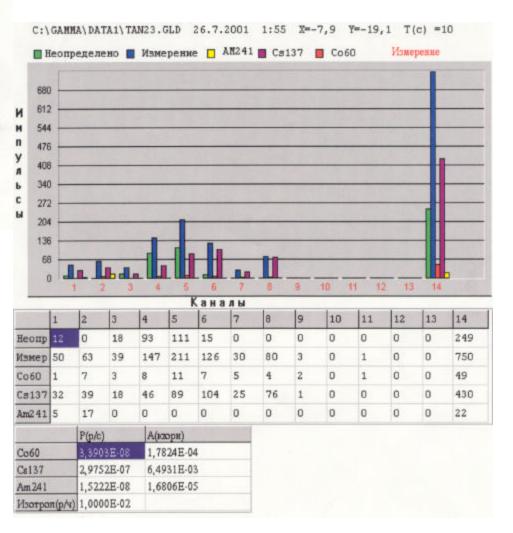


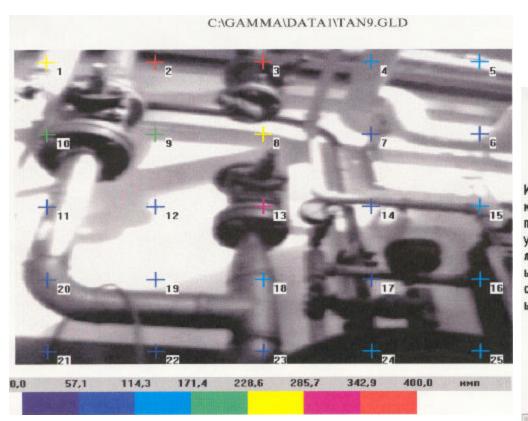


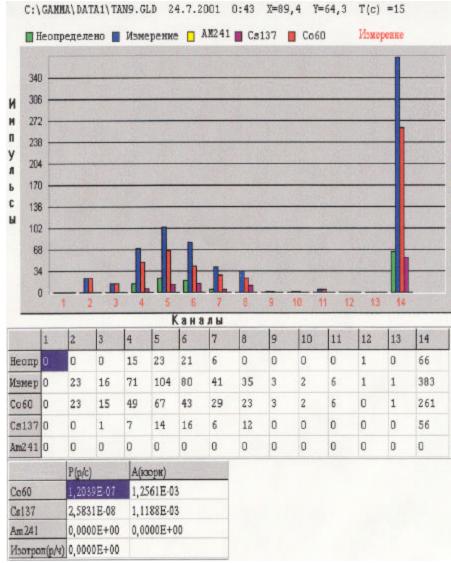




## C:\GAMMA\DATA1\TAN23.GLD 10 13 12 11 157,1 314,3 471,4 628,6 785,7 942,9 1100,0 нип







## C:\GAMMA\DATA1\PBF10.GLD

